



Massachusetts Department of Environmental Protection - Drinking Water Program LCR-D
Lead and Copper - 90th PERCENTILE COMPLIANCE Report
(For Systems Required to Collect More Than 5 Samples)

I. PWS INFORMATION: Please refer to your DEP Lead & Copper sampling plan for approved sampling locations.

PWS ID #: **3213000** City / Town: **NORTH READING**

PWS Name: **North Reading Water Department** PWS Class: **COM** ☒ **NTNC** ☐

Sampling Frequency: (choose one)	<input type="checkbox"/> FIRST SEMI-ANNUAL SAMPLING PERIOD	<input checked="" type="checkbox"/> REDUCED - EVERY THREE YEARS
	<input type="checkbox"/> SECOND SEMI-ANNUAL SAMPLING PERIOD	<input type="checkbox"/> LEAD SERVICE LINE (LSL) REPLACEMENT PROGRAM
	<input type="checkbox"/> REDUCED - ANNUAL	<input type="checkbox"/> DEMONSTRATION

Step 1: Place *lead* results in ascending order (from lowest to highest value) with lowest value at # 1, in the table below. Repeat for *copper* results. Please report results that are ND or less than (<) the laboratory's reported detection limit (MDL) as zero. Results at or above the laboratory's detection limit (MDL) but below 0.005 mg/L for lead or 0.05 mg/L for copper shall be reported as measured or may be reported as 0.0025 mg/L for lead or 0.025 mg/L for copper.

Step 2: Multiply the total number of samples collected by 0.9 (this is your 90th percentile sample number). Round to the nearest whole number, if necessary.

Step 3: Compare the sample result at the 90th percentile sample number against the corresponding action level. If the 90th percentile value is higher than the action level, then you have an exceedance and are required to contact MassDEP as soon as possible for information on compliance actions.

Note: Do not include school results on this form unless the PWS is a school.

LEAD RESULTS (mg/L)							
#	Results	#	Results	#	Results	#	Results
1*	ND	16	0.001	31		46	
2	ND	17	0.001	32		47	
3	ND	18	0.002	33		48	
4	ND	19	0.002	34		49	
5	ND	20	0.002	35		50	
6	ND	21	0.002	36		51	
7	ND	22	0.003	37		52	
8	ND	23	0.003	38		53	
9	ND	24	0.003	39		54	
10	ND	25	0.003	40		55	
11	ND	26	0.004	41		56	
12	0.001	27	0.004	42		57	
13	0.001	28	0.004	43		58	
14	0.001	29	0.009	44		59	
15	0.001	30	0.015	45		60	

COPPER RESULTS (mg/L)							
#	Results	#	Results	#	Results	#	Results
1*	0.005	16	0.084	31		46	
2	0.006	17	0.087	32		47	
3	0.007	18	0.091	33		48	
4	0.009	19	0.092	34		49	
5	0.009	20	0.094	35		50	
6	0.010	21	0.095	36		51	
7	0.011	22	0.099	37		52	
8	0.018	23	0.100	38		53	
9	0.040	24	0.103	39		54	
10	0.043	25	0.104	40		55	
11	0.047	26	0.105	41		56	
12	0.050	27	0.112	42		57	
13	0.067	28	0.119	43		58	
14	0.072	29	0.128	44		59	
15	0.080	30	0.220	45		60	

*Lowest Value

My system was required to collect: 30 lead and copper samples. My system collected: 30 lead and copper samples.

Total # of samples collected: 30 x 0.9 = 27 This number is my system's 90th percentile sample #.

Circle the 90th percentile sample # for both lead and copper in the table above, and enter the results in the appropriate spaces below.

0.004 (Lead result at 90 th percentile sample#)	Compared to 0.015 mg/L (The lead action level)	0.119 (Copper result at 90 th percentile sample#)	Compared to 1.3 mg/L (The copper action level)
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II. CERTIFICATION:

Check and complete the correct statement for lead as determined by the above results. If you have an exceedance and you are a community system you must comply with the Consumer Confidence Rule (CCR) reporting requirements in accordance with 310 CMR 22.16A(4)(i)6.

☒ My system was **at or below** the lead action level.

☐ My system **exceeded** the lead action level and 0 sampling sites **exceeded** the lead action level.
(Insert # of samples)

Check and complete the correct statement for copper as determined from the above results. If you have an exceedance and you are a community system you must comply with the Consumer Confidence Rule (CCR) reporting requirements in accordance with 310 CMR 22.16A(4)(i)6.

☒ My system was **at or below** the copper action level.

☐ My system **exceeded** the copper action level and 0 sampling sites **exceeded** the copper action level.
(Insert # of samples)

My signature below indicates that all sampling sites on this report have been previously approved in writing by the DEP and that I have complied with 310 CMR 22.06B(7). I have also notified the owner of each sampling site of their sites' individual results. I certify under penalty of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best of my knowledge and belief.

Water Superintendent
Title

Signature of PWS or Owner's Representative

10/15/15
Date

Please submit Form LCR-C along with this form.

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**North Reading Water Department
School Lead and Copper Water Sampling Results**

School	Date Sampled	Lead Results (mg/L)	Copper Results (mg/L)
Hood School	9/12/2012	ND	0.114
	9/12/2012	ND	0.030
Little School	9/13/2012	ND	0.312
	9/13/2012	ND	0.294
Batchelder School	8/5/2015	ND	0.296
	8/5/2015	ND	0.150
Middle/High School	8/5/2015	ND	0.631
	8/5/2015	ND	0.623
Hood School	3/19/2016	0.001	0.061
	3/19/2016	ND	0.048
Little School	3/19/2016	ND	0.167
	3/19/2016	ND	0.340
	3/19/2016	ND	0.267
Allowable Levels (Action Levels)		0.015	1.300

Note - ND means Not Detected